

FIGURE 1

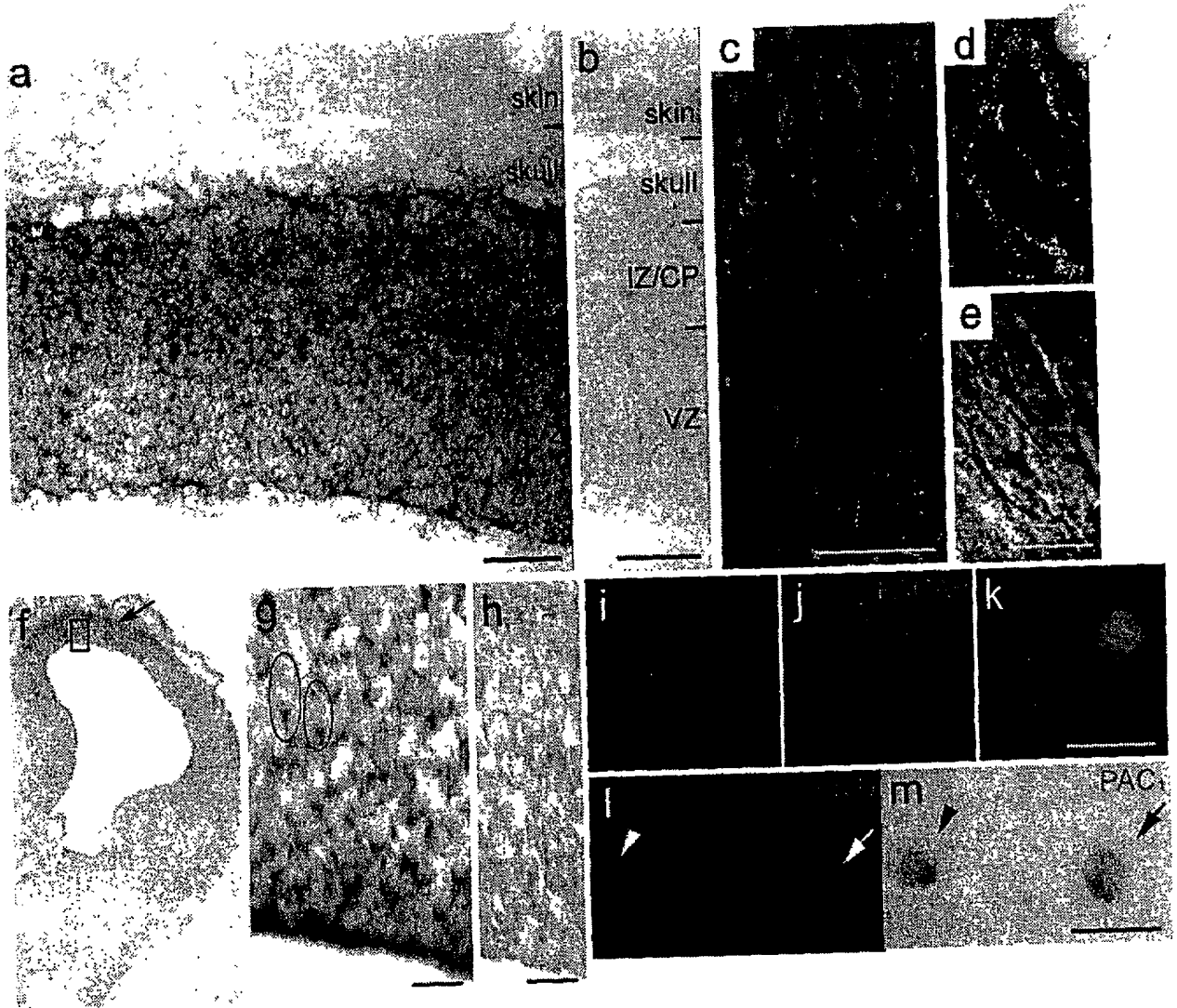
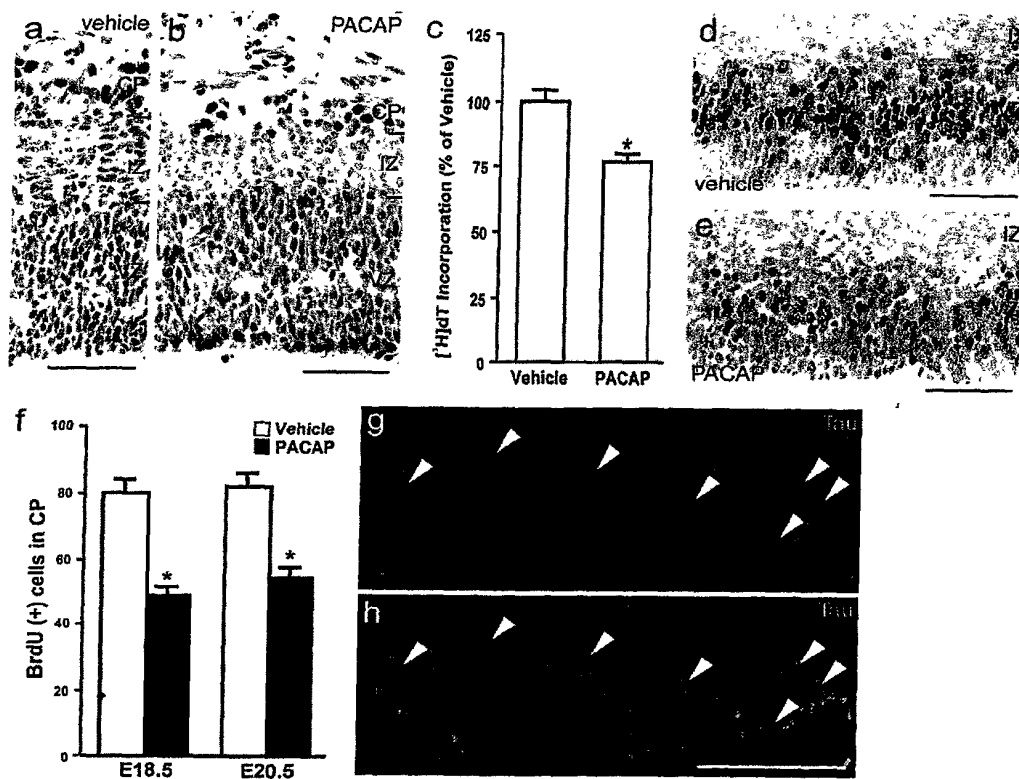


FIGURE 2



**Fig. 3: Sequence Identifications**

SEQ ID NO: 1 DNA sequence of PACAP

cactcggacgggatcttcacggacagctacagccgctaccggaaacaaatggctgtcaagaaatacttggcggccgtcctaggggaagag  
gtataaacaagggttaaaaacaaa

SEQ ID NO: 2 Amino Acid Sequence of PACAP

HSDGIFTDSYSRYRKQMAVKKYLA AVL GKRYKQ RVKNK

SEQ ID NO: 3 Amino Acid Sequence of Homo Sapiens PAC1 Receptor

MAGVVHVSLAAHCGACPWGRGRLRKGRAACKSAAQRHIGADLPLLSVGGQWCWPRS  
VMAGVVHVSLAALLLLPMAPAMHSDCIFKKEQAMCLEKIQRANELMGFNDSSPGCPG  
MWDNITCWKPAHVGEMVLVSCPELFRIFNPDQVWETETIGESDFGDSNSLDLSDMGVV  
SRNCTEDGWSEPFPHYFDACGFDEYESETGDQDYIYLSVKALYTVGYSTSLVTLTTAM  
VILCRFRKLHCTRNFHIMNLFVSFMLRAISVFIKDWILYAEQDSNHC FISTVECKAVMVF  
FHYCVVSNYFWLFIEGLYLFTLLVETFFPERRYFYWYTIIGWGTPTVCVTVWATLRLYF  
DDTGCWDMNDSTALWWVIKGPVVG SIMVNFVLFIGIIVILVQKLQSPDMGGNESSIYLR  
LARSTLLLIPLFGIHYTVFAFSPENVSKRERLVFELGLGSFQGFVVAVLYCFLNGEVQAEI  
KRKWRSWKVNRYFAVD FKH RHP SLASSGVNGGTQLSILSKSSSQIRMSGLPADNLAT

*Antagonists for PAC1 receptor*

SEQ ID NO: 4 human or rat PACAP<sub>6-38</sub>

Phe-Thr-Asp-Ser-Tyr-Ser-Arg-Tyr-Arg-Lys-Gln-Met-Ala-Val-Lys-Lys-Tyr-Leu-Ala-Ala-Val-  
Leu-Gly-Lys-Arg-Tyr-Lys-Gln-Arg-Val-  
Lys-Asn-Lys-NH<sub>2</sub>

SEQ ID NO: 5 max.d.4

CDATCQFRKAIDDCQKQAHHSNVPGNSVFKECMKQKKKEFKAGK

2004722-01102

*Agonists for PAC1 receptor*

SEQ ID NO: 6 maxadilan

CDATCQFRKAIDDCQKQAHHSNVLQTSVQTTATFTSMDTSQLPGNSVFKECMKQKKKE  
FKA

SEQ ID NO: 7 PACAP<sub>27</sub>

HSDGIFTDSYSRYRKQMAVKKYLA AVL

SEQ ID NO: 8 VIP

HSDAVFTDNYTRLRKQMAVKKYLSILN

2004-03-04 10:44:00